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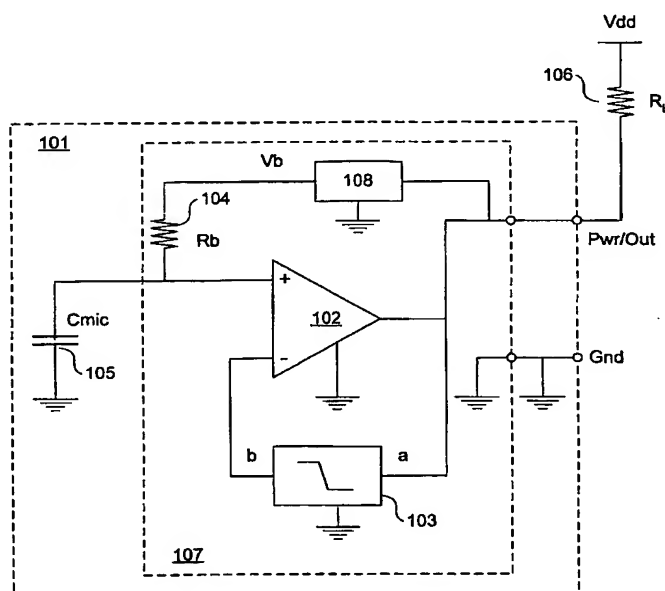
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- (71) Applicant (for all designated States except US): AU-DIOASICS A/S [DK/DK]; Langebjergvænget 8B, DK-4000 Roskilde (DK).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): DERUGINSKY, Michael [DK/DK]; Batzkes Bakke 13A, DK-3400 Hillerød (DK). FÜRST, Claus, Erdmann [DK/DK]; Naturparken 13, Vindinge, DK-4000 Roskilde (DK).
- (74) Agent: ZACCO DENMARK A/S; Hans Bekkevolds Allé 7, DK-2900 Hellerup (DK).
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(54) Title: MICROPHONE PREAMPLIFIER



(57) Abstract: A microphone preamplifier, comprising a differential input (102) stage with a first and a second input terminal and an output stage with an output terminal; where the microphone preamplifier is integrated on a semiconductor substrate. A feedback circuit, with a low-pass frequency transfer function (103), is coupled between the output terminal and the first input terminal and integrated on the semiconductor substrate. The second input terminal provides an input for a microphone signal (105). Thereby a very compact (with respect to consumed area of the semiconductor substrate), low noise preamplifier is provided.

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